

DATA PROCESSING METHOD AND APPARATUS, AND DISTRIBUTED FIREWALL SYSTEM

ABSTRACT

5 This application provides a data processing method and apparatus, and a distributed firewall
system, and is applied to the field of cloud computing technologies. The method includes: A first
engine node creates a first bitmap file for a second engine node, where the first bitmap file indicates
a reception status of each message in at least one message of the second engine node by the first
engine node, and the at least one message includes a first session table and/or stream reassembly-
related first information. The first engine node sends a request message to the second engine node
10 when the first bitmap file indicates that N messages in the at least one message have not been
received, where the request message is used to request the N messages. The first engine node
receives the N messages from the second engine node and modifies the first bitmap file, where a
modified first bitmap file indicates that the at least one message has already been received. This
application can reduce impact on service transmission caused by scale-out or scale-in of the
15 distributed firewall system or a fault of an engine node.

(Fig.2)